

# Meet the Authors

## Microbiology: An Introduction

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### VIDEO SPEAKERS:

- **DEREK WEBER** Professor of Biology and Microbiology, Raritan Valley Community College
  - **CHRISTINE L. CASE** Biology Professor, Skyline College
  - **WARNER B. BAIR** Chair and Professor, Biology Department, Lone Star College – CyFair
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### ON-SCREEN TEXT:

What excites you most about Microbiology: An Introduction?

#### **DEREK:**

What's most exciting to me about this 14th edition is the marriage of foundational concepts contextualized around a common shared experience. You know, vision and change in undergraduate biology education implored educators to provide real-world application as a way to improve student outcomes.

Our team of authors have worked diligently to integrate concepts related to the pandemic throughout the text as a way to reinforce concepts and to better engage our health-minded students.

### ON-SCREEN TEXT:

What about Microbiology: An Introduction do you feel is most beneficial to educators?

#### **CHRISTINE:**

The organ system approach in part four presents infectious diseases the same way a clinician approaches diagnosis. All data and taxonomy are current and up to date.

#### **WARNER:**

The book has strong artwork that can be used in lectures to help teach complex topics.

The online assignments are easy to assign, are auto-gradable, and provide both wrong answer and right answer feedback, providing students with real-time learning opportunities outside the classroom.

The mastering platform provides student success data down to the question level, allowing educators to know what topics their students have clearly mastered and what topics they need to focus more on in class.

**ON-SCREEN TEXT:**

What about *Microbiology: An Introduction* do you feel is most beneficial to students?

**WARNER:**

The digital resources associated with this book have been carefully crafted to break down the many complex topics in microbiology into easy-to-understand activities.

These activities, such as the “In the Clinic” videos that accompany every chapter, show students how microbiology concepts and knowledge can be used in everyday situations and in clinical practices.

**ON-SCREEN TEXT:**

What advice would you give to instructors using *Microbiology: An Introduction*?

**CHRISTINE:**

Make it your course. The instructor's guide provides alternative course outlines to organize chapters to develop the course that meets the needs of you and your students.

**DEREK:**

Use this as an opportunity to reimagine what it is that we teach. You know, what I taught in 2018 is very different than what I would teach here in 2023 because the world has changed. And so misconceptions related to things like PCR and the ability to diagnose a viral infection or addressing vaccine hesitancy or vaccine denial, those are topics from the textbook that I previously didn't have time in a one semester course to cover, that I've started to integrate into the course.

**WARNER:**

As with any class, have fun with it. Make the class your own. A one semester microbiology class has a lot of content to cover in a short amount of time. It's the one thing I hear from most instructors when they teach this course is there's just so much to get through.

But try not to stress too much about trying to cover all the concepts.

Allow the writing and the figures of this book to fill in important details and the digital content of the book to provide outside-of-the-classroom learning opportunities for your students.

**ON-SCREEN TEXT:**

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